

THE INSTITUTE OF PAPER CHEMISTRY, APPLETON, WISCONSIN

CONTINUOUS BASE-LINE STUDY (MODIFIED)
(MILL CORRUGATING MEDIUM DATA FOR OCTOBER, NOVEMBER, DECEMBER, 1984)

Project 2694-2

Report Fifty-Eight

A Progress Report

to

FOURDRINIER KRAFT BOARD GROUP

OF THE

AMERICAN PAPER INSTITUTE

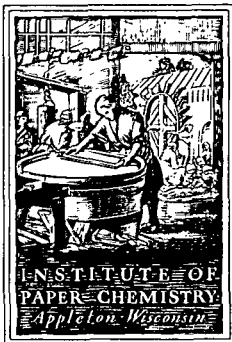
March 1, 1985

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THE INSTITUTE OF PAPER CHEMISTRY
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March 1, 1985

Project 2694-2

Dear Sir:

We are enclosing a copy of the following report to the Fourdrinier Kraft Board Group of the American Paper Institute:

Report Fifty-Eight, Project 2694-2, a progress report
entitled, "Continuous Baseline Study (Modified)
of Mill Corrugating Medium Data for October,
November, December, 1984" dated March 1, 1985

The code identities for paper machines in your company from which data were submitted for evaluation are given on the inside of the front cover of this report.

Sincerely,

Roger H. Van Eperen
Manager, Materials Testing Laboratory
Paper Materials Division

RHV/les

Enclosure

GEORGIA-PACIFIC CORP.

Your machine is identified
in this report by the
following code.

Toledo Machine #2 H4

BASE-LINE
4th QUARTER, 1984

THE INSTITUTE OF PAPER CHEMISTRY

Appleton, Wisconsin

CONTINUOUS BASE-LINE STUDY (MODIFIED)
(MILL CORRUGATING MEDIUM DATA FOR OCTOBER, NOVEMBER, DECEMBER, 1984)

Project 2694-2

Report Fifty-Eight

A Progress Report

to

FOURDRINIER KRAFT BOARD GROUP

OF THE

AMERICAN PAPER INSTITUTE

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March 1, 1985

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THE INSTITUTE OF PAPER CHEMISTRY

Appleton, Wisconsin

CONTINUOUS BASE-LINE STUDY (MODIFIED) (MILL CORRUGATING MEDIUM DATA FOR OCTOBER, NOVEMBER, DECEMBER, 1984)

SUMMARY OF 26-LB CORRUGATING MEDIUM DATA (SEP-DEC, 1984)

Test		SEP		OCT		NOV		DEC	
		Total	Recycled	Total	Recycled	Total	Recycled	Total	Recycled
Moisture content, %	Max.	9.8	7.0	9.4	7.6	9.5	7.8	9.6	7.1
	Min.	3.7	3.7	4.3	4.3	4.2	4.2	3.9	3.9
	Ave.	6.6(33)	5.7(12)	6.6(33)	5.8(12)	6.6(33)	5.8(11)	6.6(34)	5.8(13)
Adj. basis weight, lb/M sq ft	Max.	27.2	27.2	27.4	27.4	27.7	27.7	27.9	27.9
	Min.	25.1	26.1	25.5	26.1	25.2	26.1	25.2	26.2
	Ave.	26.4(33)	26.6(12)	26.4(33)	26.6(12)	26.4(33)	26.6(11)	26.4(34)	26.6(13)
Caliper, pt.	Max.	11.2	11.2	11.5	11.5	11.8	11.8	11.9	11.9
	Min.	7.7	7.7	7.8	7.8	7.8	7.8	7.8	7.8
	Ave.	9.5(27)	9.4(11)	9.5(27)	9.4(11)	9.6(27)	9.4(10)	9.6(28)	9.4(12)
Concora, lb	Max.	70.1	70.1	69.2	69.2	69.2	69.2	69.1	69.1
	Min.	51.3	51.3	51.5	51.5	51.5	51.5	51.0	51.0
	Ave.	61.1(33)	60.5(12)	61.2(33)	60.2(12)	60.9(33)	59.7(11)	61.0(34)	59.8(13)
CD Ring Crush, lb	Max.	42.0	39.0	41.0	39.0	39.0	39.0	40.1	39.0
	Min.	25.0	26.5	25.0	27.9	25.0	27.3	24.0	27.2
	Ave.	31.6(21)	30.3(5)	31.9(21)	30.5(5)	31.9(21)	30.7(5)	32.1(22)	32.0(6)

Max. and Min. values are current machine averages.

Ave. value is current F.K.B.G. average, number of machines is indicated in parentheses.

INTRODUCTION

The continuous base-line study (modified) is a compilation of monthly averages of mill test data obtained routinely on 26-lb corrugating medium manufactured in the member mills of F.K.B.G. Mill data are included for moisture content, basis weight, caliper, Concora, and C.D. Ring Crush made on the production of individual machines which produced at least 500 tons of this grade weight during a given month.

PRESENTATION OF DATA

For the 26-lb grade weight of corrugating medium referred to earlier, data on conditioning and testing environments, mill test averages for moisture content, adjusted basis weight, caliper, Concora, and C.D. Ring Crush results are compiled in the following tables.

Table Number	Description
I-II-III-IV	Mill Test Averages on 26-Lb Corrugating Medium
V	Data on Conditioning and Testing Environments

The procedure used in calculating cumulative machine averages, machine factors, machine indexes, and F.K.B.G. indexes are described in the Appendix.

It should be explained that the number of machines for which data are compiled in each table for a specified month varies for these reasons: a machine must have (a) produced at least 500 tons of 26-lb corrugating medium during the specified month, or (b) produced 500 tons of 26-lb corrugating medium during any one or more of the 12 months prior to the specified month (so that a cumulative average is available), to be included in a given table.

TABLE I
AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 26 LB. CORRUGATING MEDIUM
OCTOBER, 1964

CODE	MOISTURE CONTENT, PERCENT		ADJ. BASIS WT., LB./M SQ. FT.		CALIPER, PT.		CONCORD TEST LB.	
	MACHINE DATA		MACHINE DATA		MACHINE DATA		MACHINE DATA	
	CUR. AV.	CUM. AV.	FACT. %B	IND. %C	CUR. AV.	CUM. AV.	FACT. %B	IND. %C
A1	7.2	7.4	97.3	109.1	26.7	26.4	101.1	101.1
B1	8.4	8.4	100.0	127.3	25.9	26.0	99.6	98.1
C1(R)	7.0	7.0	100.0	106.1	26.4	26.3	100.4	100.0
I1	6.9	6.9	100.0	104.5	26.3	26.3	100.0	99.6
S1	7.7	7.7	100.0	116.7	26.0	26.2	99.2	98.5
T1	7.1	7.2	98.6	107.6	26.1	26.2	99.6	98.9
U1(R)	5.8	5.8			25.7			
W1(R)	6.1	6.1	100.0	92.4	26.5	26.4	100.4	100.4
Y1	6.7	6.7			26.2			
D2(R)	5.8	5.8	100.0	87.9	26.6	26.6	100.0	100.8
K2(R)	4.4	4.8	91.7	66.7	26.9	26.8	100.4	101.9
L2	6.7	6.6	101.5	101.5	26.2	26.3	99.6	99.2
P2(R)	5.2	5.2	100.0	78.8	26.6	26.8	99.2	100.8
Q2	7.2	7.6	94.7	109.1	26.2	26.2	100.0	99.2
Z2(R)	4.3	4.3	100.0	65.2	27.0	26.9	100.4	102.3
U3	7.4	7.5	98.7	112.1	26.5	26.5	100.0	100.4
C3(R)	5.8	5.8	100.0	87.9	26.3	26.4	99.6	99.6
H3(R)	5.8	5.8	100.0	87.9	26.6	26.5	100.4	100.8
J3	7.2	7.2	100.0	109.1	26.5	26.5	100.0	100.4
K3	6.9	6.9	100.0	104.5	26.6	26.5	100.4	100.8
Q3	7.1	7.1	100.0	107.6	26.4	26.4	100.0	100.0
T3(R)	6.0	6.0	100.0	90.9	26.9	26.6	101.1	101.9
U3	6.6	6.6	100.0	100.0	26.1	26.5	98.5	98.9
V3	6.0	6.0	100.0	90.9	26.8	26.7	100.4	101.5
W3	6.3	6.2	101.6	95.4	26.2	26.3	99.6	99.2
Y3	6.6	6.8	97.0	100.0	26.5	26.3	100.8	103.4
Z3	6.0	5.9	101.7	90.9	25.8	25.8	100.0	97.7
B4	8.7	8.7	100.0	131.8	26.0	26.0	100.0	98.5
D4	6.1	6.4	95.3	92.4	26.2	26.0	100.8	99.2
G4	9.4	9.5	98.9	142.4	25.5	25.3	100.8	96.6
H4(R)	7.0	7.1	98.6	106.1	26.1	26.2	99.6	98.9
I4	6.6	6.6			26.1			
J4(R)	5.1	4.3	118.6	77.3	27.4	27.2	100.7	103.8
K4	7.0	6.8	102.9	106.1	26.3	26.4	99.6	99.6
N4(R)	7.6	7.0	108.6	115.2	26.3	26.3	100.0	99.6
O4	6.6	6.9	95.6	109.0	26.9	26.9	100.0	101.9

FKBG DATA		TOTAL		RECYCLED		TOTAL		RECYCLED	
CUR. AV	6.6	5.8	26.4	26.6	9.5	9.4	61.2	60.2	
CUM. AV	6.6	5.8	26.4	26.5	9.6	9.4	61.0	60.4	
IND. *D	100.0	100.0	100.0	100.0	99.0	100.0	100.3	99.7	

(*)-- NOTES A, B, C, D, AND E, ARE GIVEN IN APPENDIX.

TABLE II
AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 26 LB. CORRUGATING MEDIUM
NOVEMBER, 1984

CODE	MOISTURE CONTENT, PERCENT		ADJ. BASIS WT., LB./ M SQ. FT.		CALIPER, PT.		CONCORDA TEST LB.	
	MACHINE DATA		MACHINE DATA		MACHINE DATA		MACHINE DATA	
	CUR. AV.	FAC. IND. %C	CUR. AV.	FAC. IND. %C	CUR. AV.	FAC. IND. %C	CUR. AV.	FAC. IND. %C
A1	6.8	7.4	91.9	103.0	26.4	26.4	100.0	100.0
B1	8.9	8.4	106.0	134.8	25.8	26.0	99.2	97.7
C1(R)	7.0	7.0	100.0	106.1	26.5	26.3	100.8	100.4
I1	6.9	6.9	100.0	104.5	26.3	26.3	100.0	99.6
S1	7.9	7.8	101.3	119.7	26.1	26.1	100.0	98.9
Y1	7.2	7.2	100.0	109.1	26.2	26.2	100.0	99.2
U1(R)	5.8	5.8	101.6	93.9	26.5	26.4	100.4	103.4
W1(R)	6.2	6.1	101.6	93.9	26.5	26.4	100.4	103.4
Y1	6.7	6.7	101.7	89.4	26.5	26.6	99.6	100.4
D2	5.9	5.8	101.7	89.4	26.5	26.6	99.6	100.4
K2(R)	4.2	4.8	87.5	63.6	27.0	26.8	100.7	102.3
L2	6.7	6.6	101.5	101.5	26.2	26.3	99.6	99.2
P2(R)	5.1	5.2	98.1	77.3	26.7	26.8	99.6	101.1
Q2	7.2	7.4	97.3	109.1	26.2	26.1	100.4	99.2
Z2(R)	4.6	4.2	104.8	66.7	27.1	26.9	100.7	102.6
B3	7.5	7.5	100.0	113.6	26.5	26.5	100.0	100.4
C3(R)	5.9	5.8	101.7	89.4	26.2	26.4	99.2	99.2
H3(R)	5.8	5.8	100.0	87.9	26.5	26.5	100.0	100.4
J3	7.4	7.2	102.8	112.1	26.5	26.5	100.0	100.4
K3	6.8	7.0	97.1	103.0	26.5	26.5	100.0	100.4
Q3	7.1	7.1	100.0	107.6	26.4	26.4	100.0	100.0
T3(R)	6.0	6.0	100.0	90.9	26.6	26.6	100.0	100.8
U3	6.7	6.6	101.5	101.5	26.1	26.5	98.5	98.9
V3	5.7	6.0	95.0	86.4	26.7	26.7	100.0	101.1
W3	6.1	6.2	98.4	92.4	26.2	26.2	100.0	99.2
Z3	6.8	6.8	100.0	103.0	26.6	26.4	100.8	100.8
B4	8.8	8.7	101.1	133.3	26.0	26.0	100.0	98.5
D4	6.3	6.4	98.4	95.4	26.1	26.0	100.4	98.9
G4	9.5	9.5	100.0	143.9	25.2	25.3	99.6	95.4
H4(R)	7.2	7.1	101.4	109.1	26.2	26.2	100.0	99.2
I4	6.6	6.6	101.4	109.1	26.2	26.2	100.0	99.2
J4(R)	4.3	4.4	97.7	65.2	27.7	27.3	101.5	104.9
K4	6.8	6.8	100.0	103.0	26.3	26.4	99.6	99.6
N4(R)	7.8	7.0	111.4	118.2	26.1	26.3	99.2	98.9
O4	6.6	6.9	95.6	100.0	26.9	26.9	100.0	101.9

FKRG DATA		TOTAL		RECYCLED		TOTAL		RECYCLED		TOTAL		RECYCLED	
CUR. AV	6.6	5.8	26.4	26.6	9.6	9.4	60.9	59.7					
CUM. AV	6.6	5.8	26.4	26.6	9.6	9.4	61.0	60.4					
IND. *D	100.0	100.0	100.0	100.0	100.0	100.0	99.8	98.8					

(*)-- NOTES A, B, C, D, AND E, ARE GIVEN IN APPENDIX.

TABLE III
AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 26 L9. CORRUGATING MEDIUM
DECEMBER, 1984

CODE	MOISTURE CONTENT, PERCENT		ADJ. BASIS WT., LB./ M SQ. FT.		CALIPER, PT.		CONCORA TEST LB.	
	CUR. AV.	IND. *C	CUR. AV.	IND. *C	CUR. AV.	IND. *C	CUR. AV.	IND. *C
A1	7.5	7.4	101.4	113.6	26.6	26.3	101.1	106.8
B1	8.6	8.5	101.2	130.3	25.8	25.9	99.6	97.7
C1(R)	7.1	7.0	101.4	107.6	26.5	26.4	100.4	100.4
I1	7.0	6.9	101.4	106.1	26.2	26.3	99.6	99.2
S1	7.8	7.8	100.0	118.2	26.0	26.1	99.6	98.5
T1	7.2	7.2	100.0	109.1	26.2	26.2	100.6	99.2
U1(R)	6.1	5.9	103.4	92.4	26.2	25.8	101.6	99.2
W1(R)	6.2	6.1	101.6	93.9	26.5	26.5	100.0	100.4
Y1	6.7	6.7			26.2	26.2		
D2(R)	5.8	5.8	100.0	87.9	26.4	26.6	99.2	100.0
K2(R)	3.9	4.8	81.2	59.1	27.1	26.8	101.1	102.6
L2	6.8	6.7	101.5	103.0	26.3	26.2	100.4	99.6
P2(R)	5.2	5.2	100.0	78.8	26.7	26.8	99.6	101.1
Q2	7.2	7.4	97.3	109.1	26.3	26.1	100.8	99.6
Z2(R)	4.5	4.3	104.6	68.2	26.9	26.9	100.0	101.9
B3	7.5	7.5	100.0	113.6	26.5	26.5	100.0	100.4
C3(R)	5.8	5.8	100.0	87.9	26.3	26.3	100.0	99.6
H3(R)	5.8	5.8	100.0	87.9	26.6	26.5	100.4	100.8
J3	7.5	7.2	104.2	113.6	26.5	26.5	100.0	100.4
K3	6.6	6.9	95.6	100.0	26.5	26.5	100.0	100.4
O3	7.0	7.1	98.6	106.1	26.3	26.4	99.6	99.6
T3(R)	6.0	6.0	100.0	90.9	26.3	26.6	98.9	99.6
U3	6.5	6.6	98.5	98.5	26.1	26.5	98.5	98.9
V3	5.9	6.0	98.3	89.4	26.9	26.7	100.7	101.9
W3	6.1	6.2	92.4	92.4	26.2	26.2	100.0	99.2
X3	6.5	6.7	97.0	98.5	26.6	26.4	100.8	100.8
Z3	6.0	6.0	100.0	90.9	25.8	25.8	100.0	97.7
B4	8.9	8.7	102.3	134.8	26.0	26.0	100.0	98.5
D4	6.3	6.4	98.4	95.4	26.2	26.1	100.4	99.2
G4	9.6	9.5	101.0	145.4	25.2	25.3	99.6	95.4
H4(R)	7.1	7.1	100.0	107.6	26.3	26.2	100.4	99.6
I4	6.5	6.5			26.1	26.1		
J4(R)	4.3	4.4	97.7	65.2	27.9	27.3	102.2	105.7
K4	6.8	6.8	100.0	103.0	26.4	26.4	100.0	100.0
N4(R)	7.1	7.1	100.0	107.6	26.3	26.3	100.0	99.6
O4	6.9	6.8	101.5	104.5	26.9	26.9	100.0	101.9

FRBG DATA		TOTAL	RECYCLED	TOTAL	RECYCLED	TOTAL	RECYCLED
CUR. AV	6.6	5.8	26.4	26.6	9.6	9.4	59.8
CUM. AV	6.6	5.6	26.4	26.6	9.6	9.4	60.4
IND. *D	100.0	100.0	100.0	100.0	100.0	100.0	99.0

(*)-- NOTES A, B, C, U, AND E, ARE GIVEN IN APPENDIX.

TABLE IV
AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 26 LB. CORRUGATING MEDIUM
RING COMPRESSION, LBS.


	OCTOBER, 1984				NOVEMBER, 1984				DECEMBER, 1984			
	CUR. AV.	CUM. AV.	IND. #C	MACHINE DATA	CUR. AV.	CUM. AV.	IND. #C	MACHINE DATA	CUR. AV.	CUM. AV.	IND. #C	MACHINE DATA
A1	28.0	26.6	105.3	92.7	30.0	26.8	111.9	98.7	29.0	27.0	107.4	94.8
B1	37.7	36.5	103.3	124.8	36.0	36.8	97.8	118.4	36.6	36.9	99.2	119.6
C1(R)												
I1	30.0	30.0	100.0	99.3	29.0	30.0	96.7	95.4	31.0	29.8	104.0	101.3
S1	30.0	29.2	102.7	99.3	29.0	29.2	99.3	95.4	28.0	29.1	96.2	91.5
Y1	41.0	35.4	115.8	135.8	38.0	36.1	105.3	125.0	40.0	36.5	109.6	130.7
U1(R)												
W1(R)												
Y1	39.0	35.7	109.2	129.1	39.0	36.2	107.7	128.3	36.0	34.2	105.3	117.6
D2(R)												
K2(R)	27.9	26.5	105.3	92.4	27.3	26.6	102.6	89.8	27.2	26.6	102.2	88.9
L2	32.0	30.9	103.6	106.0	33.0	31.2	105.8	108.6	30.0	31.8	94.3	98.0
P2(R)	29.6	29.6	100.0	98.0	29.2	29.7	98.3	96.0	31.1	29.7	104.7	101.6
Q2	25.0	27.3	91.6	82.8	25.0	27.0	92.6	82.2	24.0	26.7	89.9	78.4
Z2(R)												
B3	30.0	28.2	106.4	99.3	31.0	28.3	109.5	102.0	31.0	28.8	107.6	101.3
C3(R)	28.2	29.6	95.3	93.4	30.2	29.8	101.3	99.3	30.8	30.0	102.7	100.6
H3(R)												
J3	28.0	27.0	103.7	92.7	27.0	26.9	100.4	88.8	28.0	27.1	103.3	91.5
K3												
O3	34.4	34.7	99.1	113.9	36.0	34.5	104.3	118.4	40.1	34.7	115.6	131.0
T3(R)												
U3	20.8	29.3			21.0	29.5			21.0	29.7		
V3	33.0	33.8	97.6	109.3	34.0	33.6	101.2	111.8	34.0	33.2	102.4	111.1
W3	31.0	27.8	111.5	102.6	33.0	28.3	116.6	108.6	32.0	28.9	110.7	104.6
Y3	35.0	35.0	100.0	115.9	35.0	35.0	100.0	115.1	34.0	35.0	97.1	111.1
Z3	32.8	32.5	100.9	108.6	32.2	32.5	99.1	105.9	31.5	32.5	96.9	102.9
B4	37.0	34.4	107.6	122.5	36.0	34.6	104.0	118.4	37.0	34.8	106.3	120.9
D4												
G4	32.8	33.1	99.1	108.6	32.0	32.9	97.3	105.3	28.0	32.7	85.6	91.5
H4(R)	28.0	26.9	104.1	92.7	28.0	26.8	104.5	92.1	28.0	26.8	104.5	91.5
I4												
J4(R)												
K4	25.7	25.7			25.5	25.5			25.7	25.7		
N4(R)	29.2	29.2			29.8	29.8			30.1	30.1		
O4												
FKBC DATA												
CUR. AV.	31.9	31.9	30.5		31.9	31.9	30.7		32.1	32.1	32.0	
CUM. AV.	30.2	30.2	28.5		30.4	30.4	28.7		30.6	30.6	28.9	
IND. #D	105.6	105.6	107.0		104.9	104.9	107.0		104.9	104.9	110.7	

(*)-- NOTES A, B, C, D, AND E, ARE GIVEN IN APPENDIX.

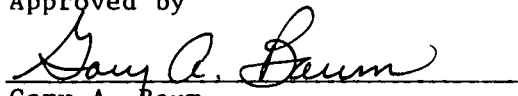
TABLE V
DATA ON CONDITIONING AND TESTING ENVIRONMENTS
OCTOBER, NOVEMBER, DECEMBER, 1984

Code	Conditioning Environment				Testing Environment
	Are Quality Samples Conditioned Before Testing?	Procedure Time	Temp., °F	RH, %	Are Quality Samples Tested Under Controlled Conditions of Temperature & Humidity?
A1	No	--	--	--	Yes: 73 ± 2°F; 50 ± 2% RH
B1	No	--	--	--	Yes: 72 ± 3°F; 50 ± 2% RH
C1	No	--	--	--	Yes: 72 ± 1°F; 50 ± 1% RH
I1	No	--	--	--	Yes: 72 ± 3°F; 50 ± 5% RH
S1	No	--	--	--	Yes: 73 ± 2°F; 50 ± 2% RH
T1	No	--	--	--	Yes: 72 ± 2°F; 50 ± 1% RH
U1	Yes	20 min	--	--	Yes: 72 ± 3.5°F; 50 ± 2% RH
W2	No	--	--	--	No
Y1	No data submitted for this quarter				
D2	No	--	--	--	Yes: 72 ± 4°F; 50 ± 5% RH
K2	No	--	--	--	No
L2	No	--	--	--	Yes: 73°F; 50% RH
P2	No	--	--	--	Yes: 73 ± 2°F; 50 ± 5% RH
Q2	No	--	--	--	Yes: 73 ± 2°F; 50 ± 2% RH
Z2	No	--	--	--	No
B3	No	--	--	--	Yes: 72 ± 2°F; 50 ± 2% RH
C3	No	--	--	--	Yes: 72 ± 2°F; 50 ± 3% RH
H3	No	--	--	--	Yes: 72 ± 4°F; 50 ± 5% RH
J3	No	--	--	--	Yes: 72 ± 2°F; 50 ± 2% RH
K3	No	--	--	--	Yes: 73 ± 2°F; 50 ± 2% RH
O3	No	--	--	--	Yes: 70 ± 2°F; 50 ± 2% RH
T3	No	--	--	--	Yes: 73 ± 3°F; 50 ± 2% RH
U3	Yes	20 min	--	--	Yes: 72 ± 2°F; 50 ± 2% RH
V3	No	--	--	--	Yes: 72 ± 3°F; 50 ± 5% RH
W3	No	--	--	--	No
Y3	No	--	--	--	No
Z3	No	--	--	--	Yes: 73 ± 2°F; 50 ± 2% RH
B4	No	--	--	--	Yes: 70 ± 2°F; 50 ± 10% RH
D4	No	--	--	--	Yes: 73 ± 2°F; 50 ± 2% RH
G4	No	--	--	--	Yes: 72 ± 2°F; 50 ± 2% RH
H4	Yes	--	--	--	Yes: 70 ± 2°F; 50 ± 2% RH
I4	No data submitted for this quarter				
J4	No	--	--	--	Yes: 73 ± 3°F; 50 ± 2% RH
K4	No	--	--	--	No
N4	No	--	--	--	Yes: 70 ± 2°F; 50 ± 5% RH
O4	No	--	--	--	No

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APPENDIX

NOTES A, B, C, D, AND E, USED IN TABULATIONS OF MILL DATA

Notes A, B, C, D, and E, used in the tables of mill data are given below; these notes define the procedure used in calculating adjusted basis weight, machine factor, machine index, and F.K.B.G. index. It should be stressed that each formula is applicable only to a specific physical property of corrugating medium.

Note A: Adjusted basis weight (ABW) = reported weight (RBW) adjusted to moisture content of 7.8%:

$$ABW = RBW \left[\frac{(100 - \text{reported moisture content, \%})}{(100 - 7.8)} \right]$$

Note B: Machine factor (%) = $\left[\frac{\text{Current machine average}}{\text{Cumulative machine average}} \right] \cdot 100$ where

$$\text{Cumulative machine average} = \sum \frac{\text{CMA's}^a \text{ for previous 12 months excluding CMA for current month}}{12}$$

Note C: Machine index (%) = $\left[\frac{\text{Current machine average}}{\text{Cumulative F.K.B.G. total average}} \right] \cdot 100$ where

$$\text{Cumulative F.K.B.G. average} = \sum \frac{\text{CFKBGA's}^b \text{ for previous 12 months excluding CFKBGA for current month}}{12}$$

Note D: F.K.B.G. index (%) = $\left[\frac{\text{Current F.K.B.G. average}}{\text{Cumulative F.K.B.G. average}} \right] \cdot 100$ where

$$\text{Current F.K.B.G. average} = \sum \frac{\text{CMA's}^a \text{ for current month for all machines}}{\text{Number of machines}}$$

Note E: (R) - Indicates a medium manufactured from recycled fibers.

^aCMA = current machine average for a specific physical property of 26-lb corrugating medium obtained during a given month on a specific machine.

^bCFKBGA = current F.K.B.G. average for a specific physical property of 26-lb corrugating medium obtained during a given month.

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